

FIG. 1

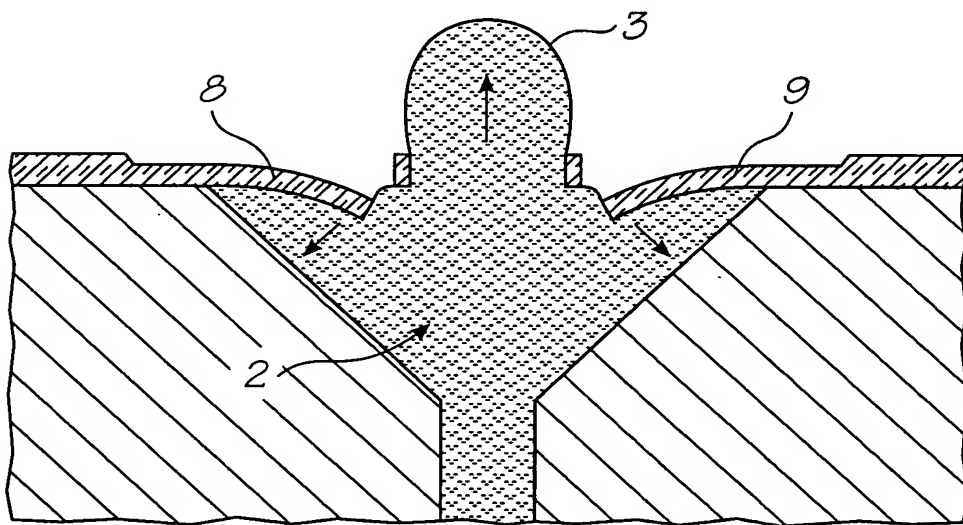


FIG. 2

2/15

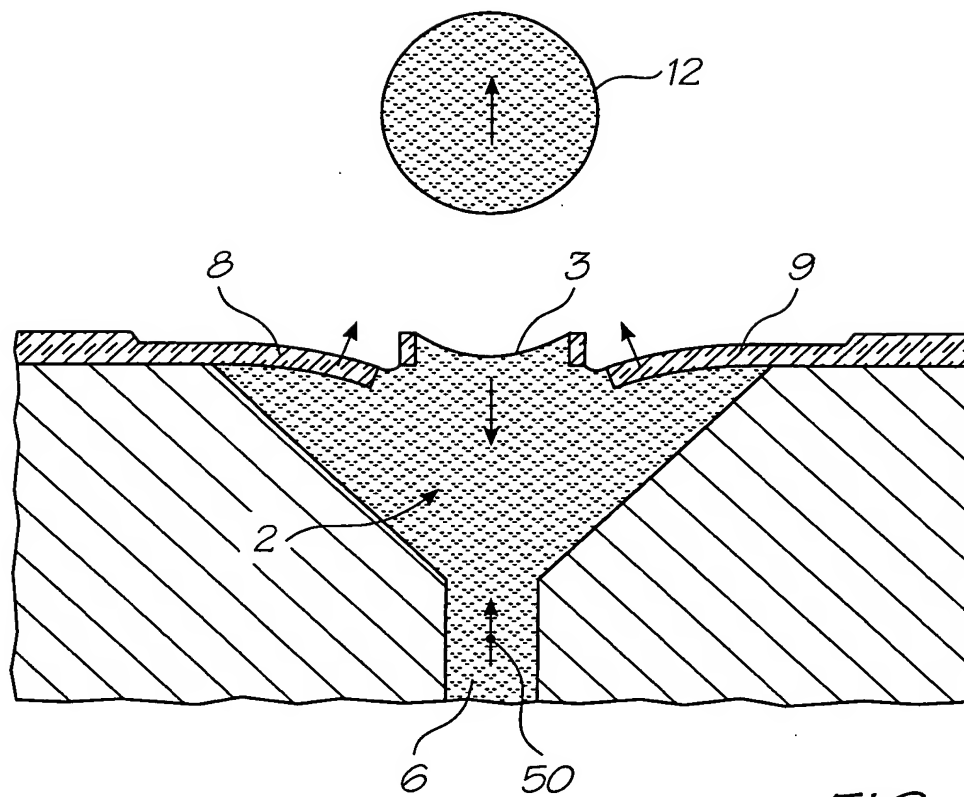


FIG. 3

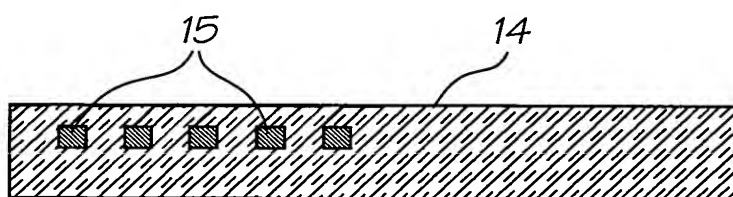


FIG. 4A

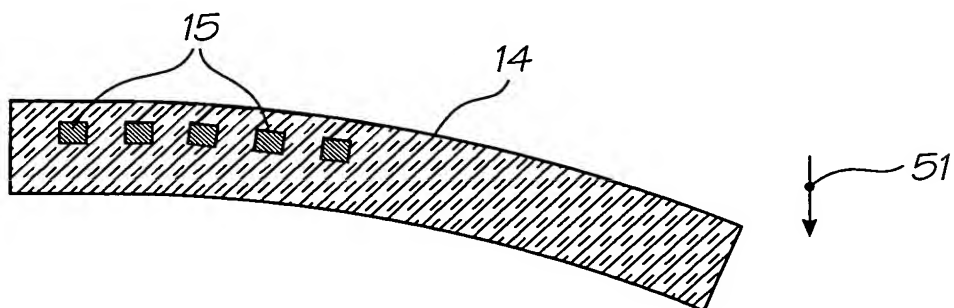
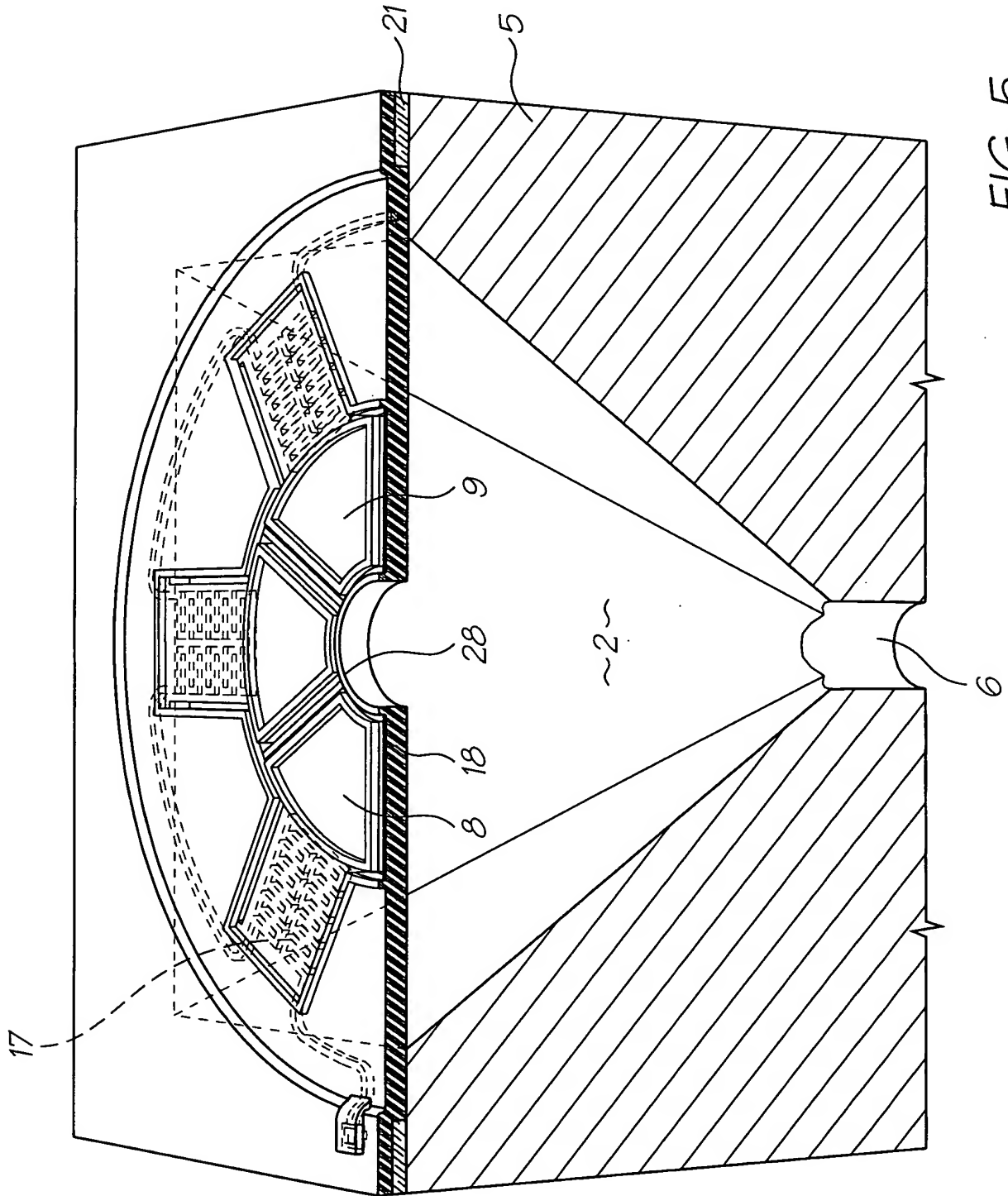


FIG. 4B



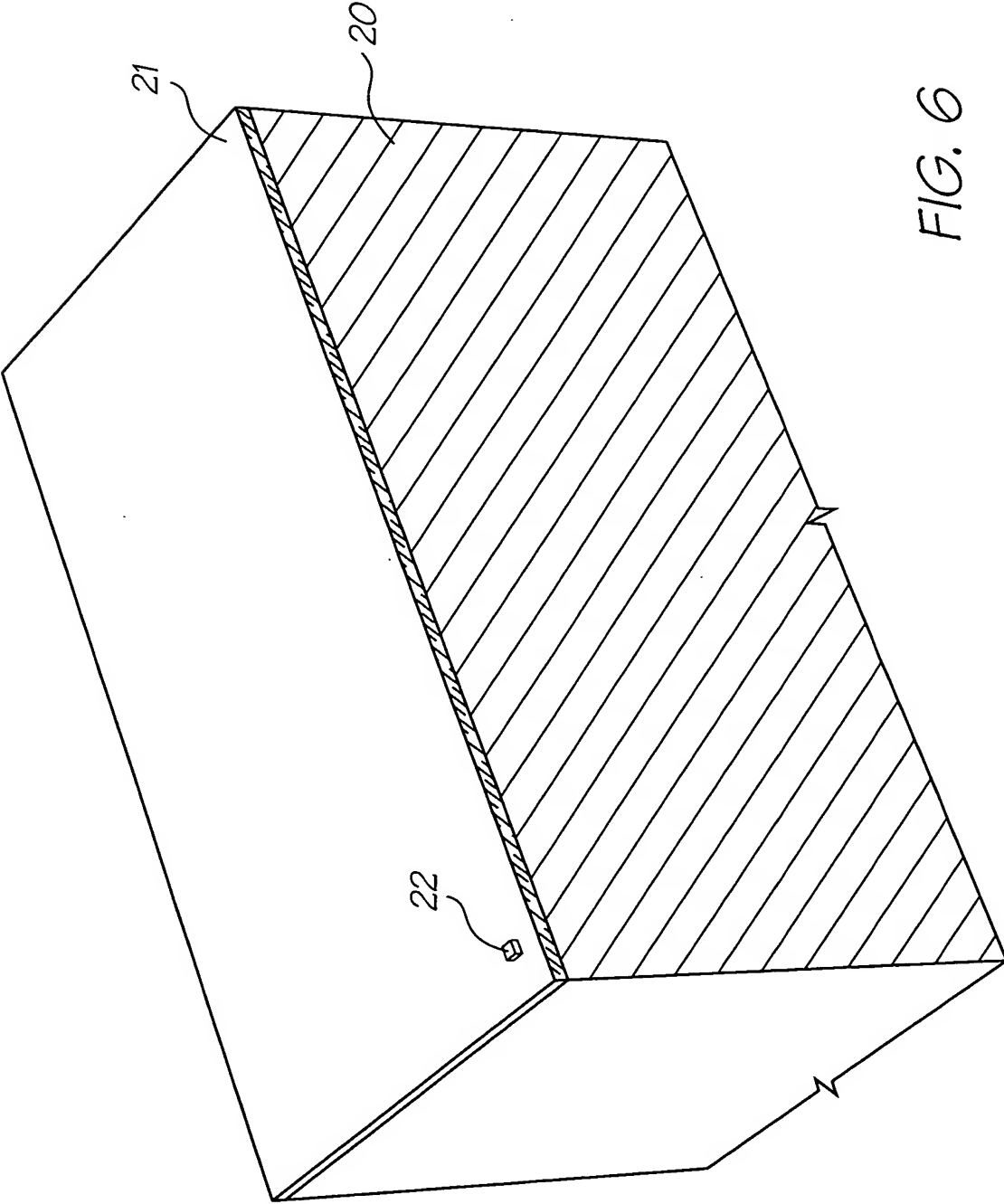


FIG. 6

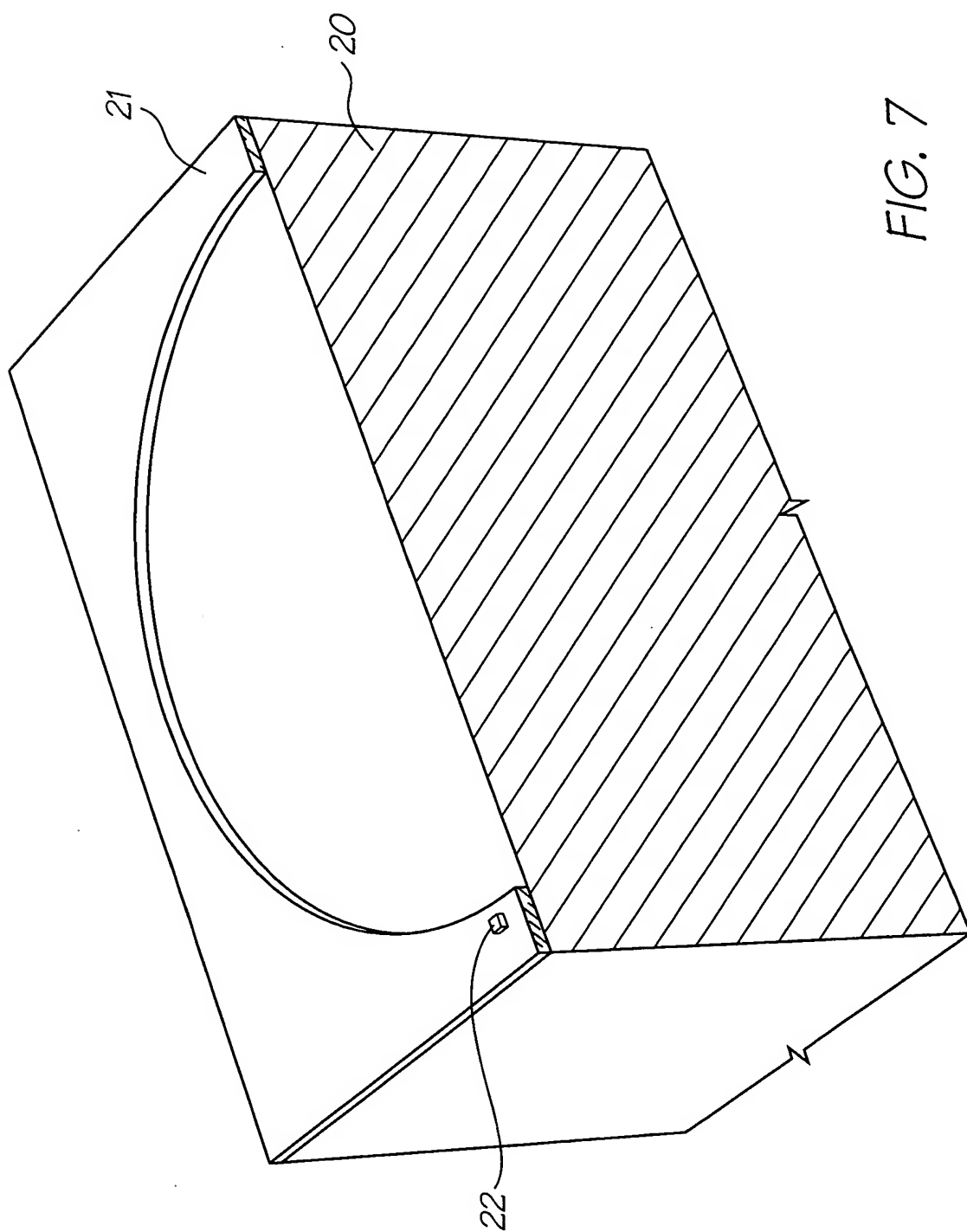


FIG. 7

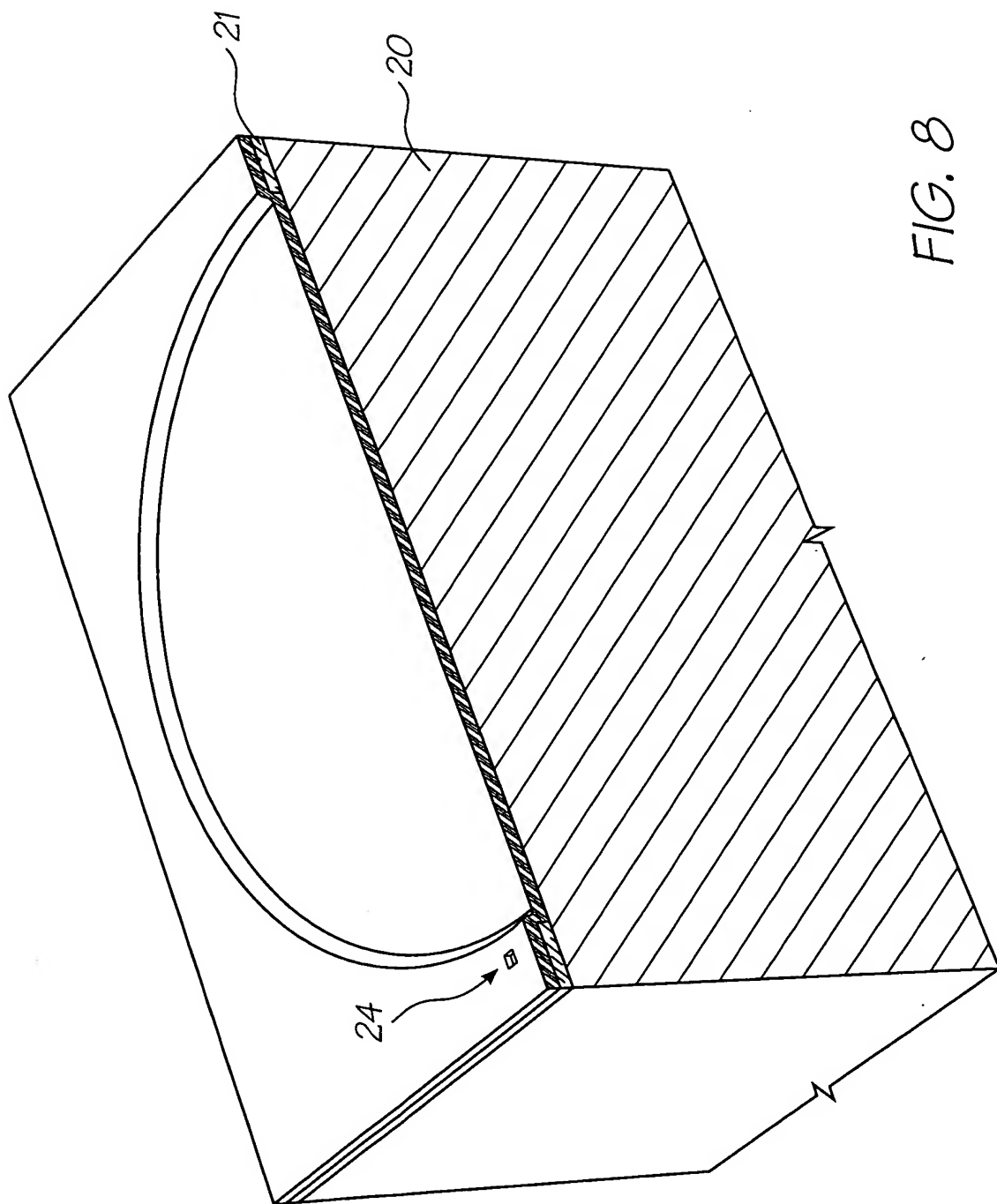


FIG. 8

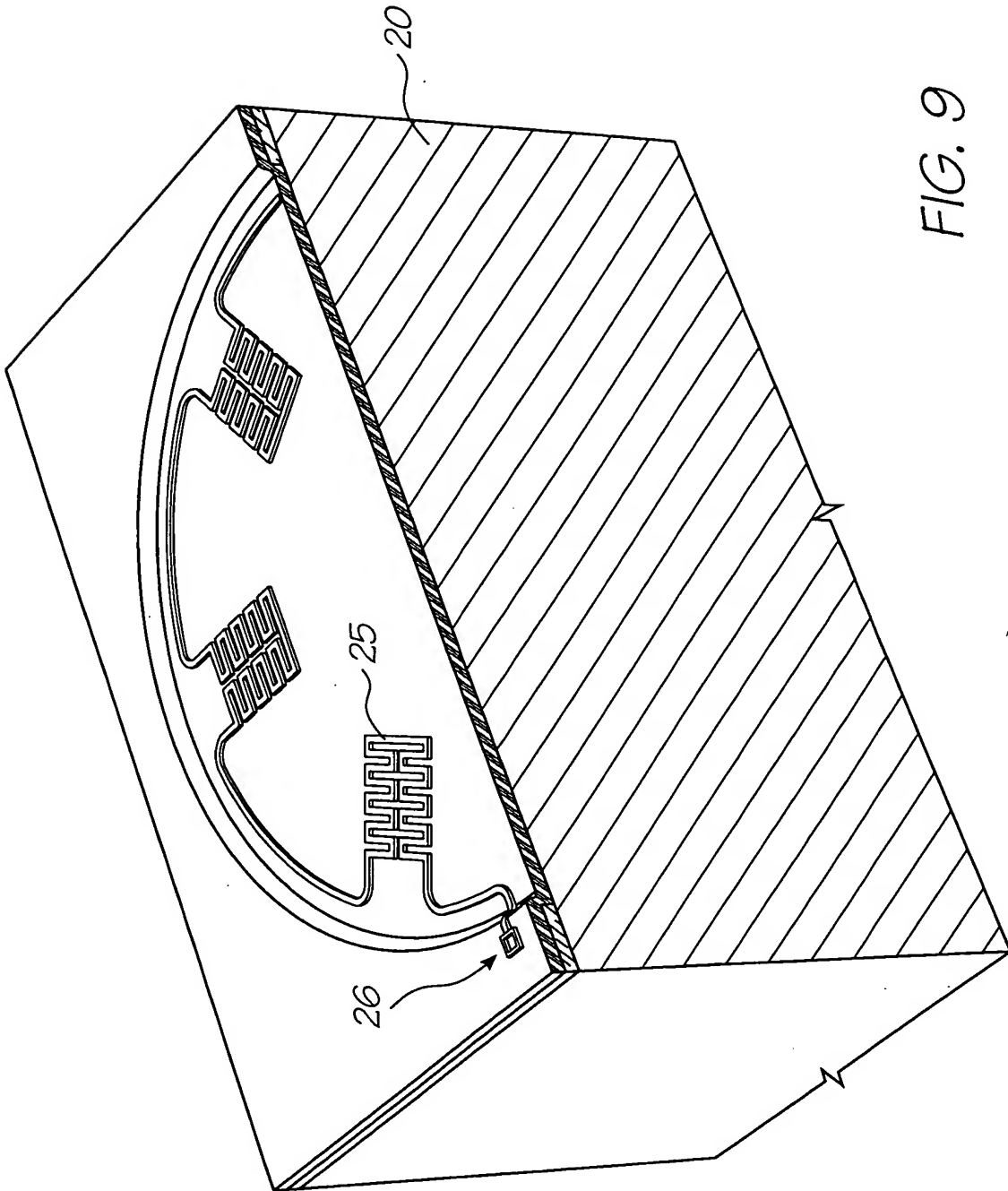


FIG. 9

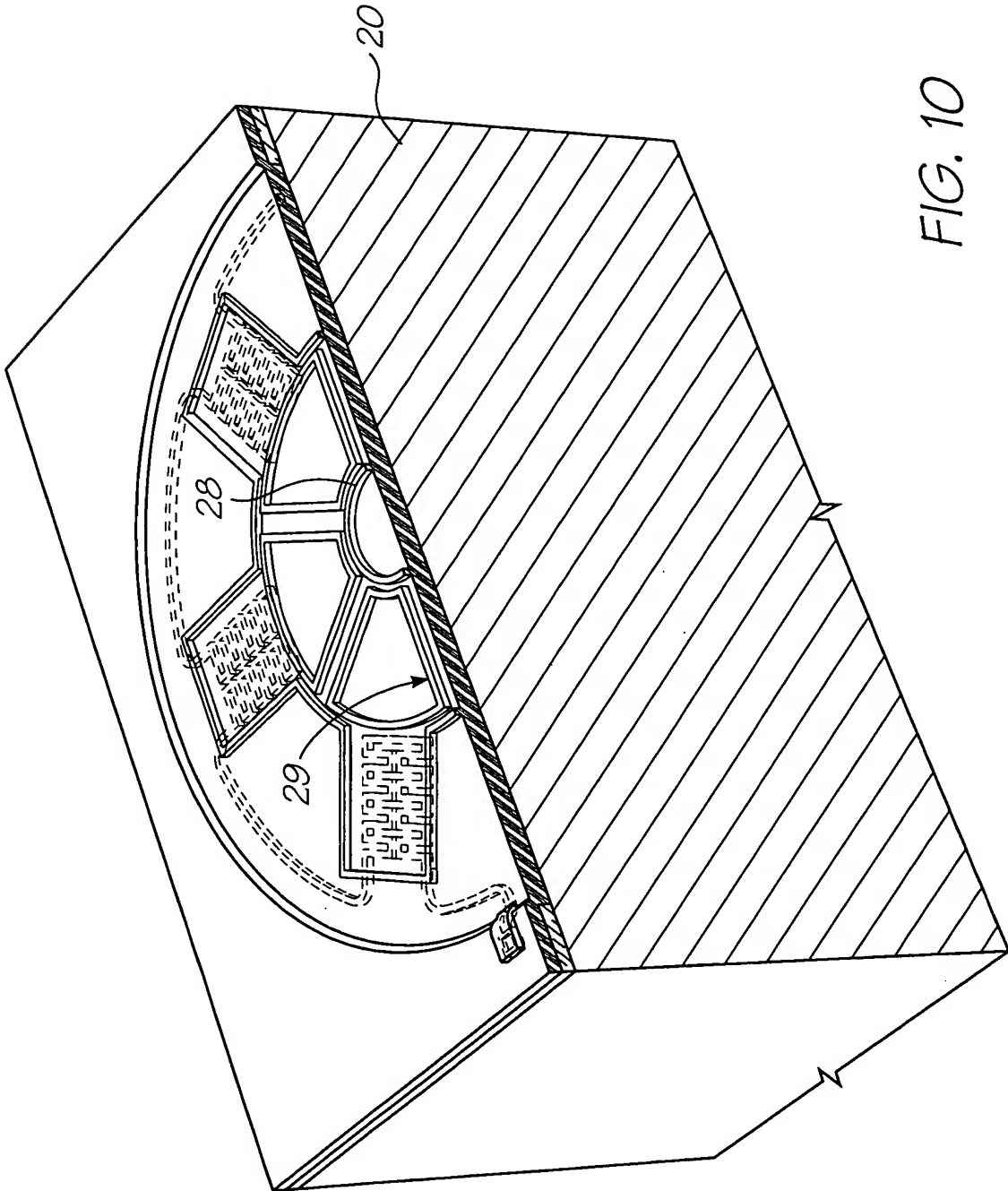
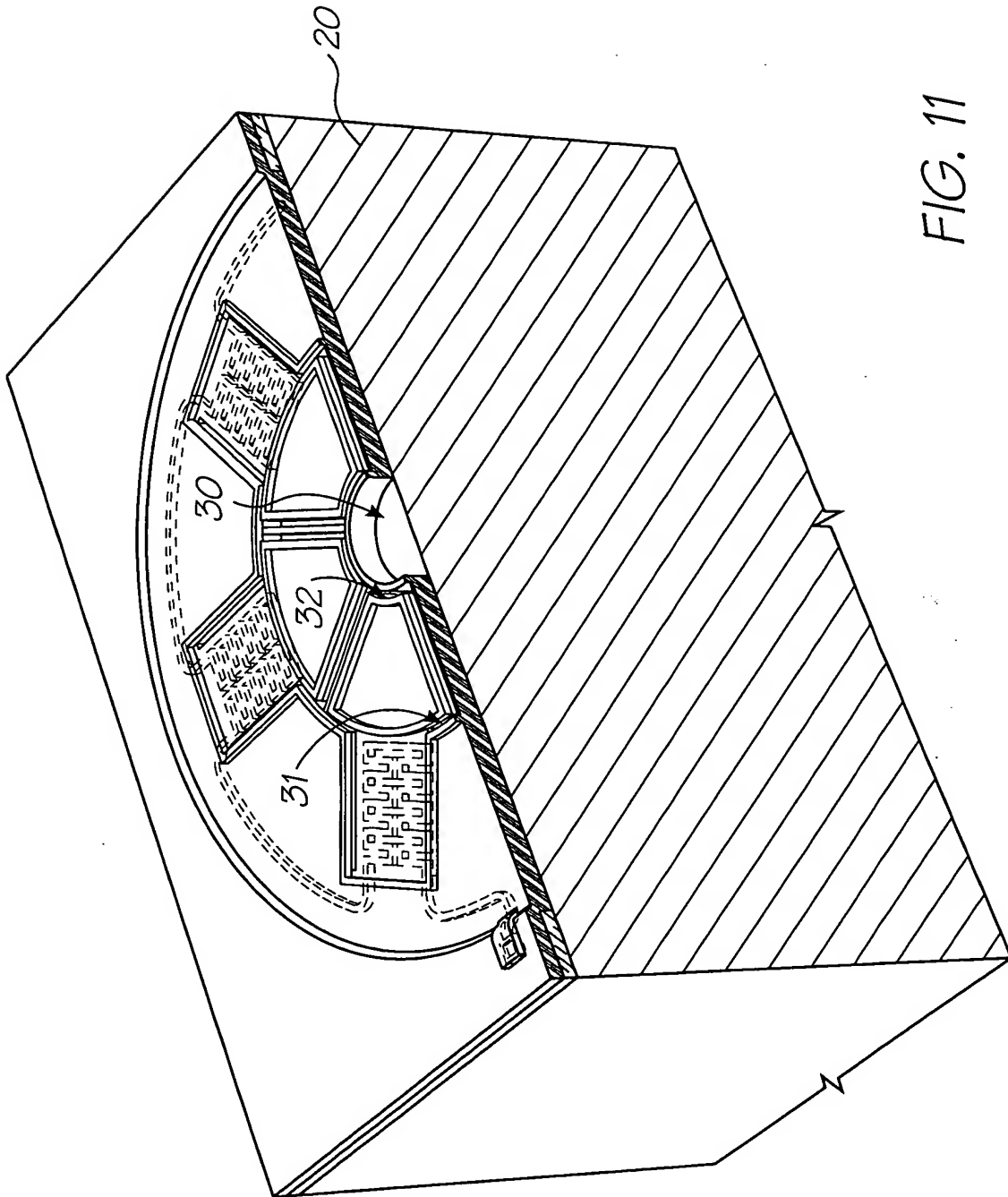


FIG. 10



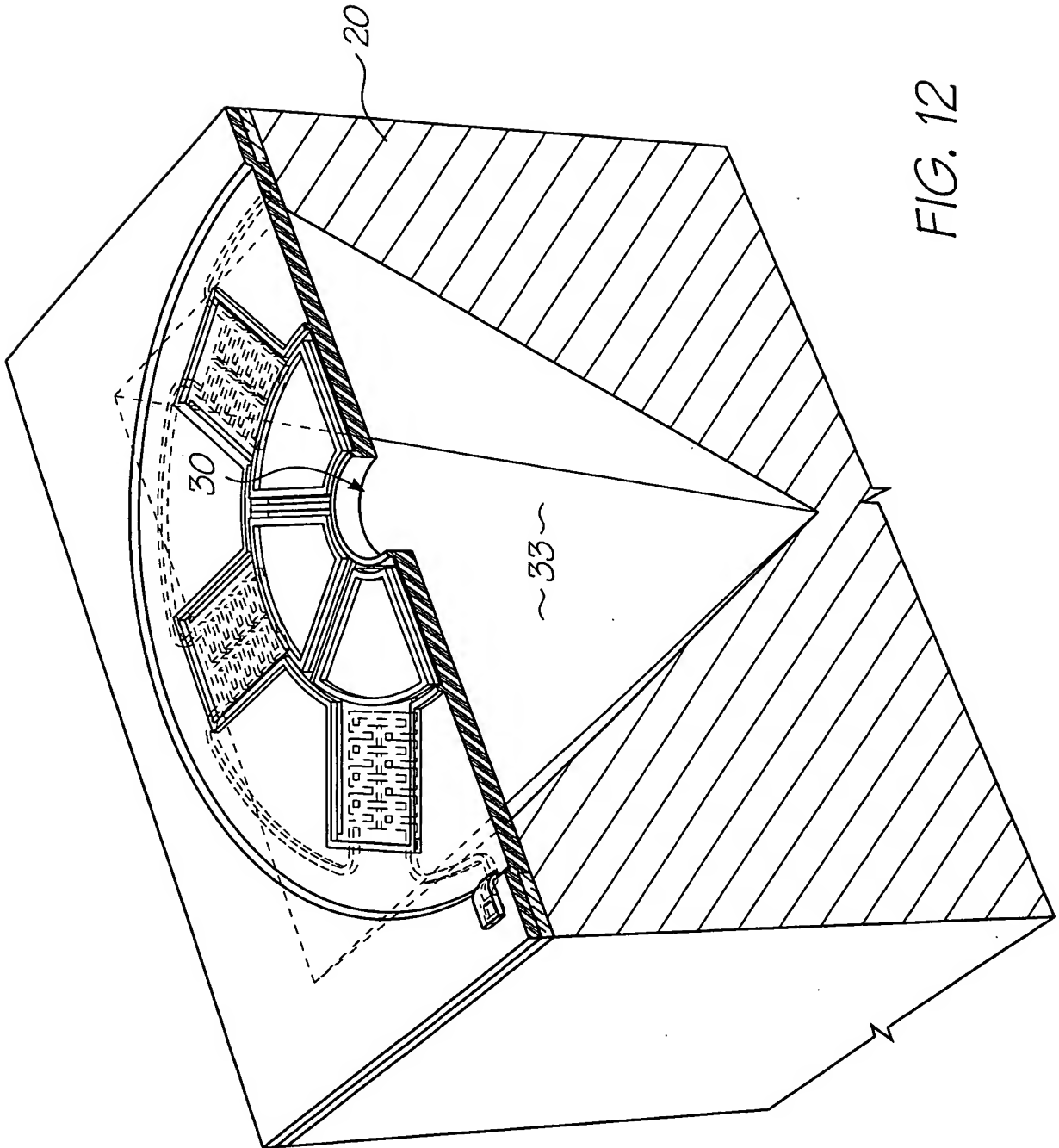
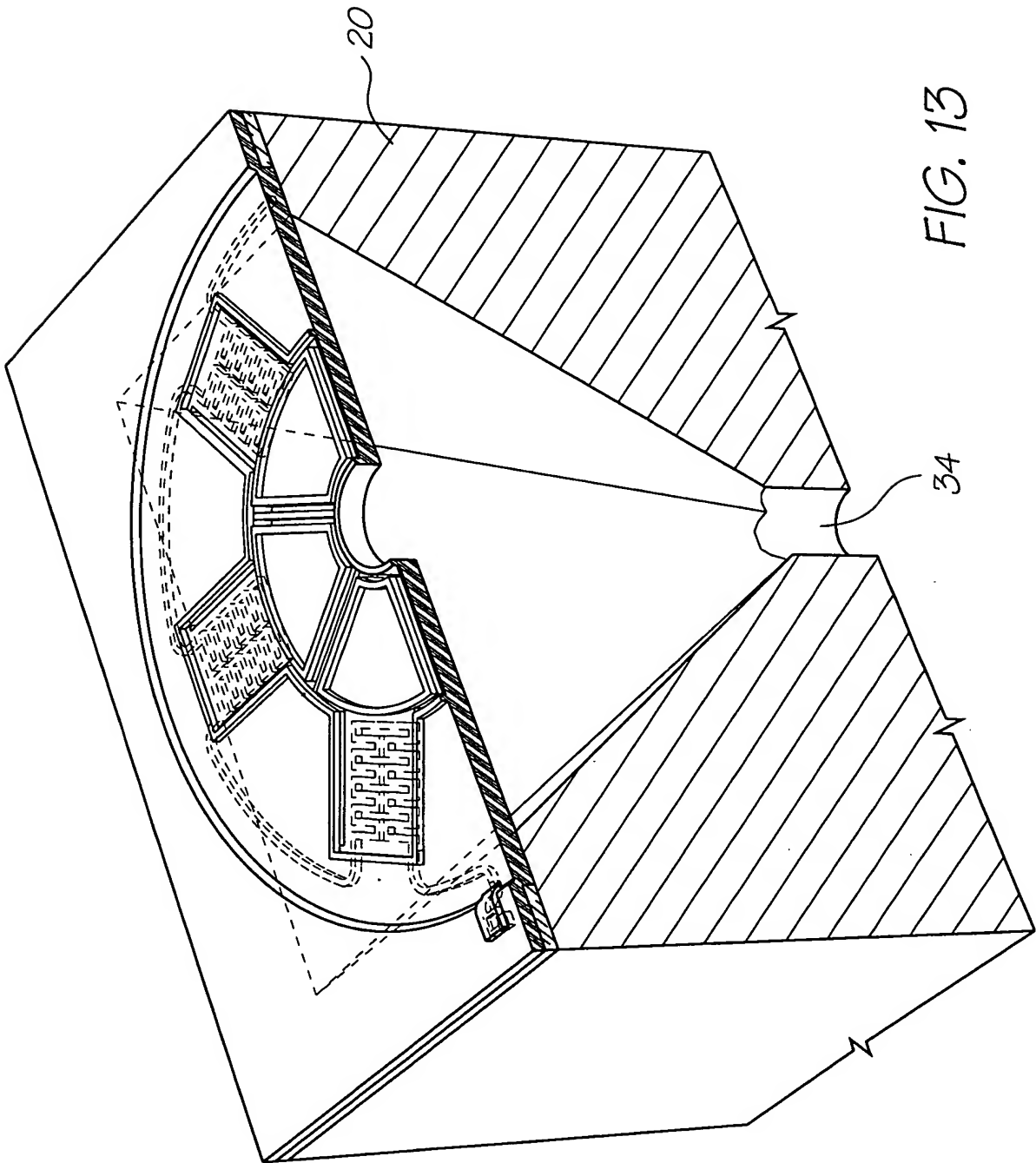
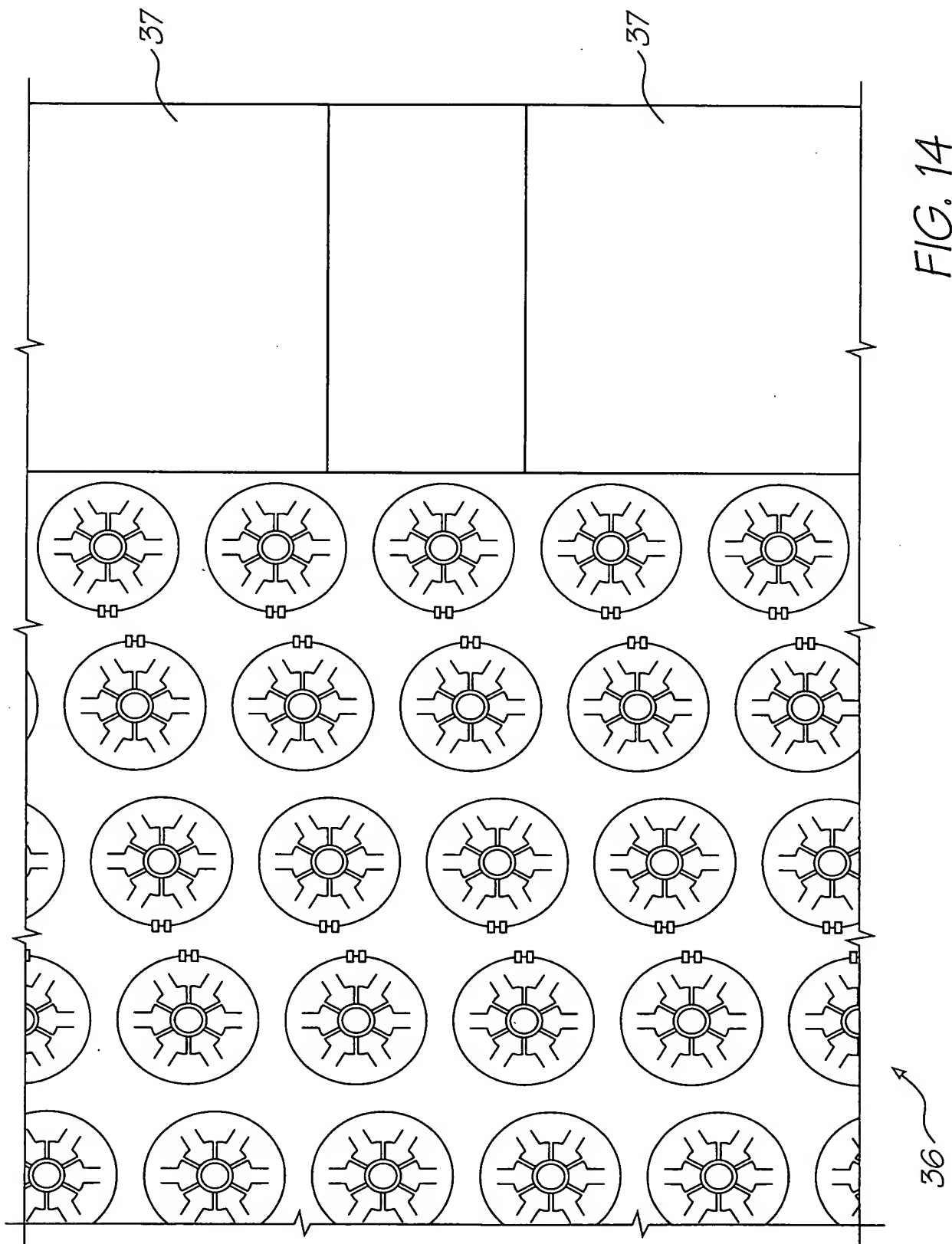


FIG. 12































	Silicon		Sacrificial material		Elastomer
	Boron doped silicon		Cupronickel		Polyimide
	Silicon nitride (Si_3N_4)		CoNiFe or NiFe		Indium tin oxide (ITO)
	CMOS device region		Permanent magnet		PTFE
	Aluminum		Polysilicon		Conductive PTFE
	Glass (SiO_2)		Titanium Nitride (TiN)		Terfenol-D
	Copper		Titanium boride (TiB_2)		Shape memory alloy
	Gold		Adhesive		Tantalum
			Resist		Ink

FIG. 15

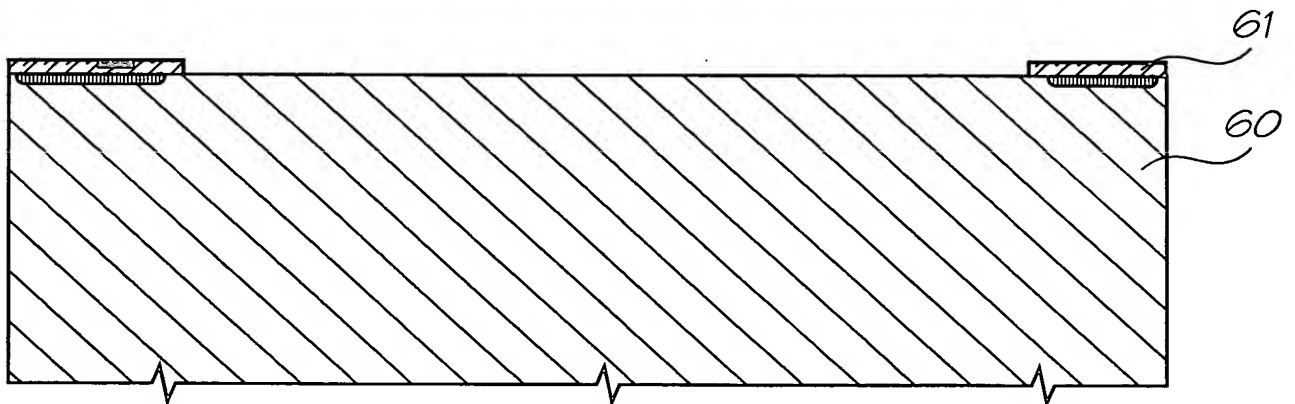


FIG. 16

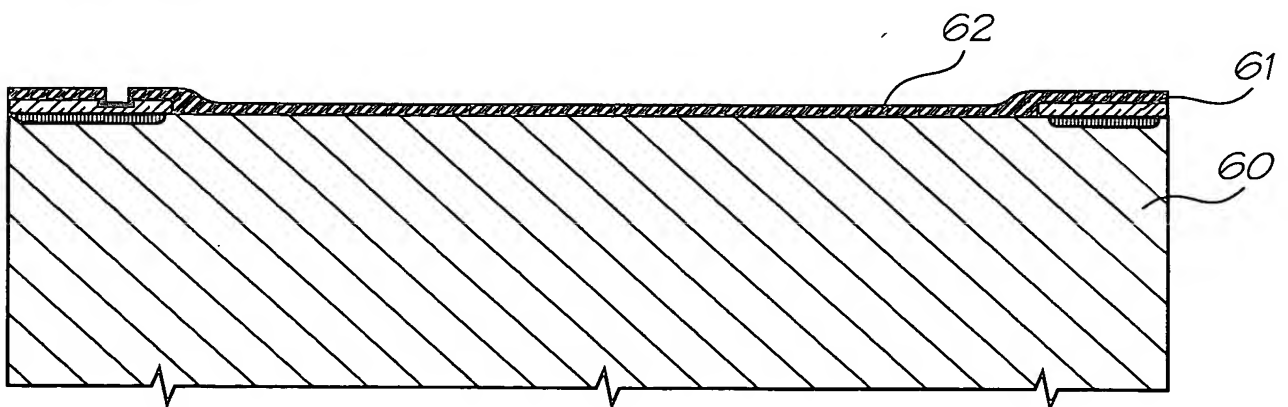


FIG. 17

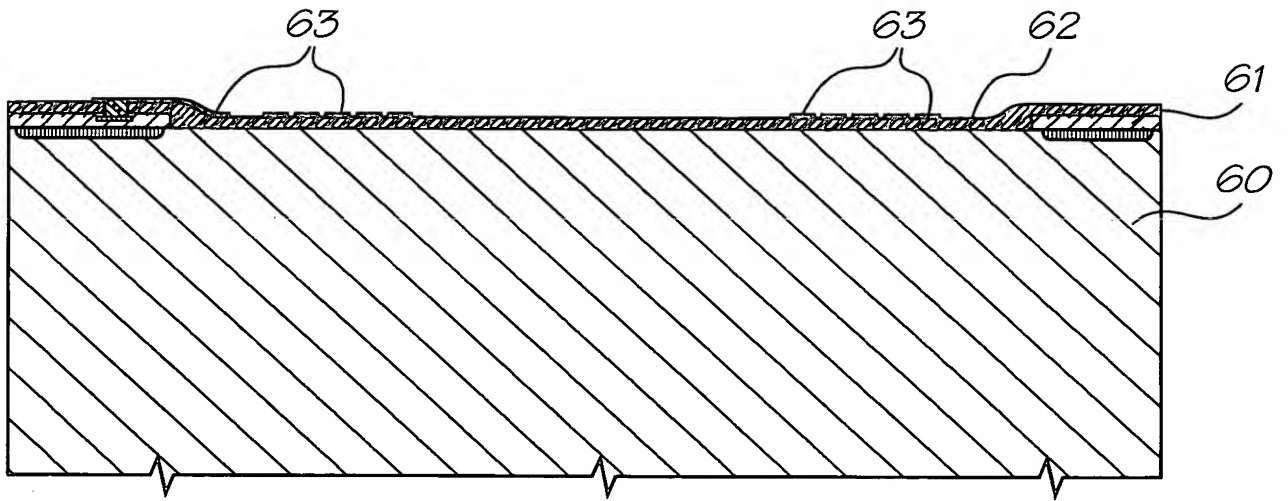


FIG. 18

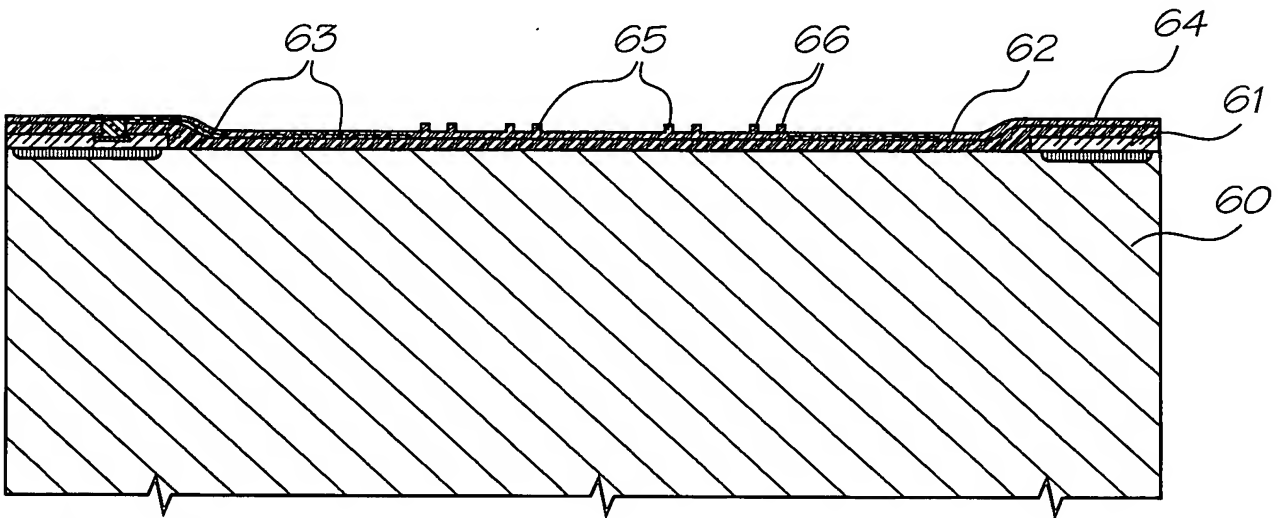


FIG. 19

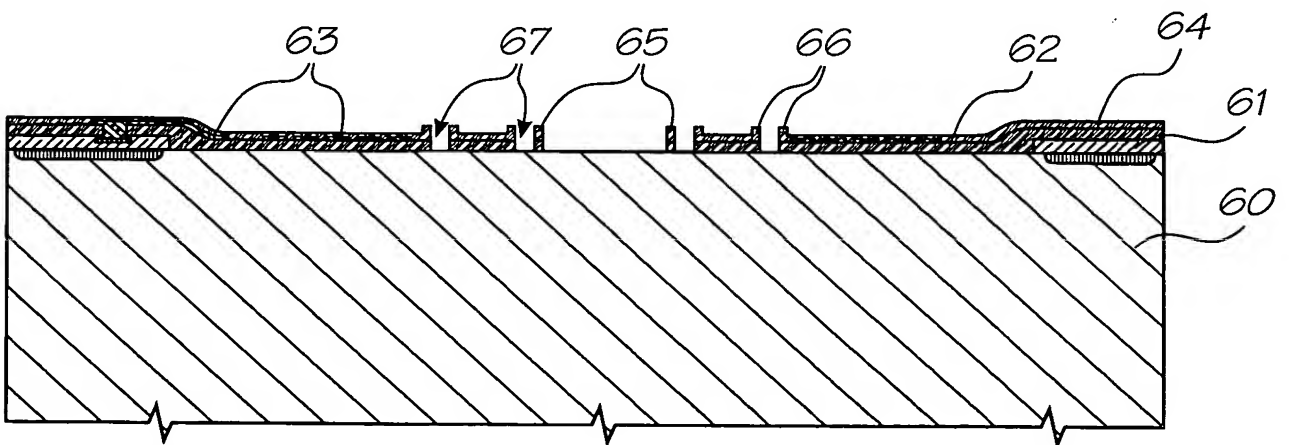


FIG. 20

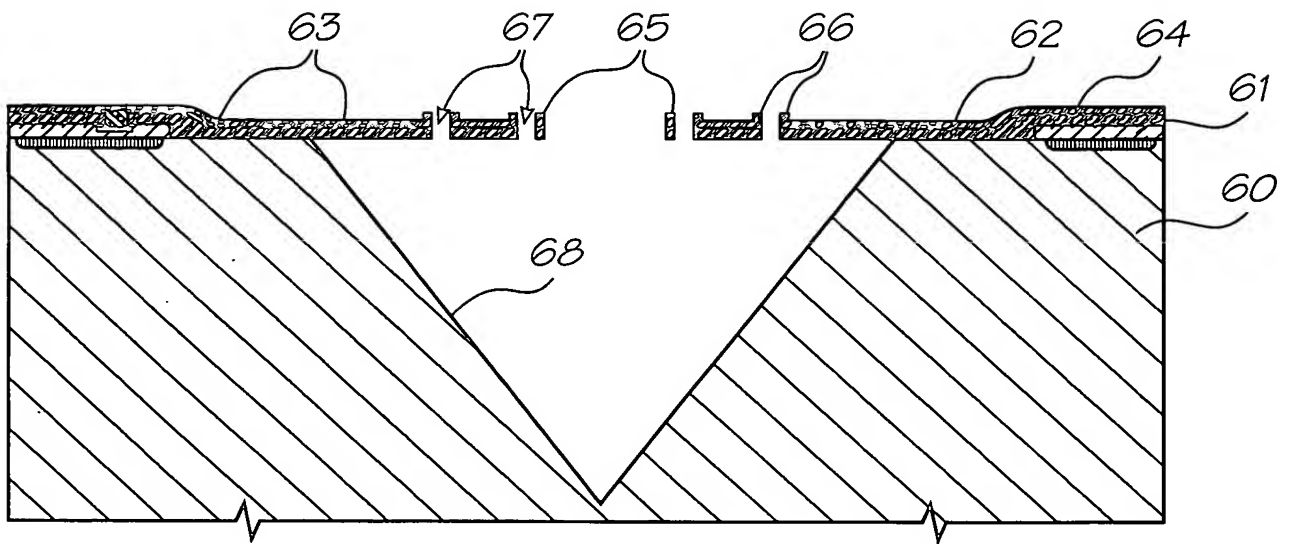


FIG. 21

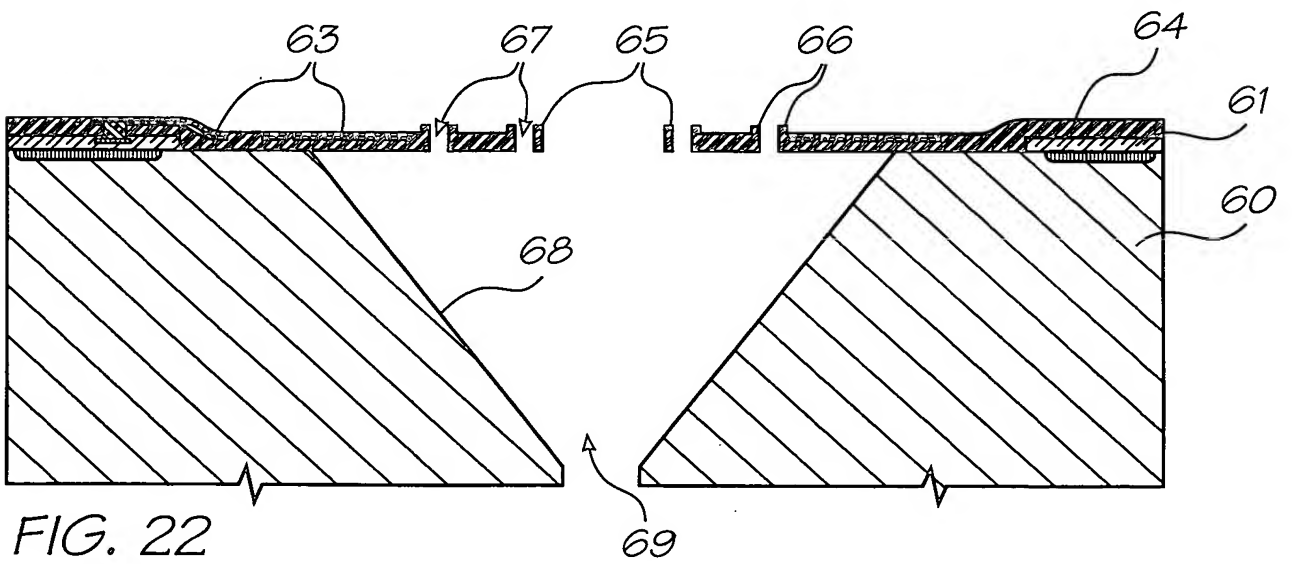


FIG. 22

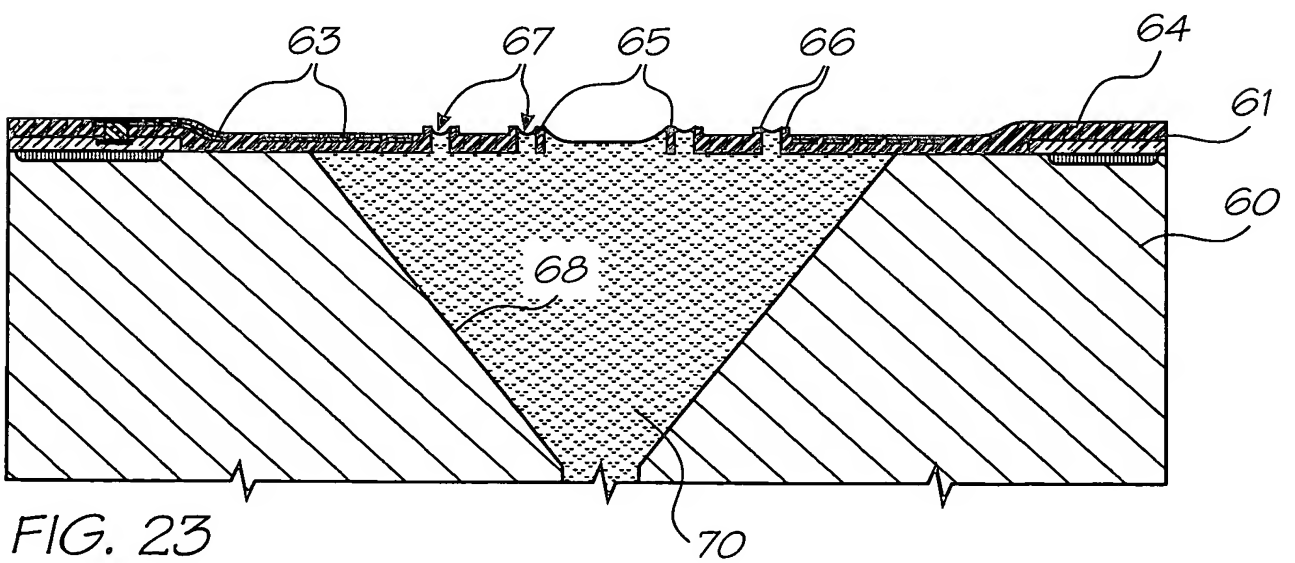


FIG. 23